sub-es-pred[11,40]

sub-es-pred(es;dom;e)
$\equiv_{\text{def}}$ iffirst(e)
  then inr $\cdot$
  if dom(pred(e)) then inl pred(e) else sub-es-pred(es;dom;pred(e)) fi

clarification:

sub-es-pred(es;dom;e)
$\equiv_{\text{def}}$ ifes-first(es; e)
  then inr $\cdot$
  ifdom(es-pred(es; e))
  then inl es-pred(es; e)
  else sub-es-pred(es;dom;es-pred(es; e))
  fi
(recursive)

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http://www.nuprl.org/FDLcontent/p0_963683_/p92_244264_{sub-es-pred}.html